CHECKLIST ENVIRONMENTAL ASSESSMENT

Project Name:	Glen Reid Water Pipeline
Proposed Implementation Date:	Spring 2021
Proponent:	Glen Reid (Silverado Farms II)
Location:	22N 12E 4
County:	Chouteau
Trust:	Common Schools

I. TYPE AND PURPOSE OF ACTION

The proponent wishes to install a two inch or smaller stock water pipeline across Trust lands to meet up with an existing pipeline in the same section.

II. PROJECT DEVELOPMENT

1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:

Provide a brief chronology of the scoping and ongoing involvement for this project.

The Department of Natural Resources and Conservation (DNRC)
Northeastern Land Office (NELO) & Lewistown Unit Office
Proponent: Glen Reid (Silverado Farms II)
Surface Lessees: Silverado Farms II

2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:

The DNRC, and NELO have jurisdiction over this proposed project.

The proponent is responsible for acquiring all necessary permits for the proposed project, and settling all surface damages with the surface lessees.

3. ALTERNATIVES CONSIDERED:

Alternative A (No Action) – Under this alternative, the Department does not grant permission to construct a stock water pipeline.

Alternative B (the Proposed Action) – Under this alternative, the Department does grant permission to construct a stock water pipeline.

III. IMPACTS ON THE PHYSICAL ENVIRONMENT

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" If no impacts are identified or the resource is not present.*

4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:

Consider the presence of fragile, compactable or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.

The soils to be affected are rated as slight for off road erosion potential. Since construction will only be allowed in dry or frozen conditions there should be no major erosion. The severe soil rutting hazard can also be mitigated by only working in dry or frozen conditions.

Table — Erosion Hazard (Off-Road, Off-Trail) — Summary by Rating Value

Summary by Rating Value

Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Slight	201.8	100.0%
Totals for Area of Interest	**201.8**	**100.0%**

Table — Soil Rutting Hazard — Summary by Rating Value

Summary by Rating Value

Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Severe	201.8	100.0%
Totals for Area of Interest	**201.8**	**100.0%**

No significant cumulative impacts to geology or soil quality, stability, and moisture are anticipated.

5. WATER QUALITY, QUANTITY AND DISTRIBUTION:

Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.

The pipeline will only be buried about five feet deep which should be above the ground water level. The nearest water well is several hundred yards away and has a static water level of 35 ft below the surface. This water well is at the same elevation or below where the pipeline will be.

The pipeline will change the distribution of water by distributing more water for livestock in the local area.

No significant impacts to local or regional water resources are anticipated.

6. AIR QUALITY:

What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.

Construction will cause dust and exhaust but only for a couple of days and there will be no lasting air quality problems.

No significant impacts to air quality are anticipated.

7. VEGETATION COVER, QUANTITY AND QUALITY:

What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.

This project will disturb only a 4-6 foot wide area through an already degraded native rangeland. The current grass species present, especially crested wheatgrass and Kentucky bluegrass will naturally reseed the disturbed area very quickly

If re-seeding is necessary the proponent will acquire certified, weed free seed and refer to the Plant Materials Tech Note No. MT-46 (Rev. 4) dated September 2013 for seeding rates.

No rare plants or cover types are present. No significant impacts to vegetation are anticipated.

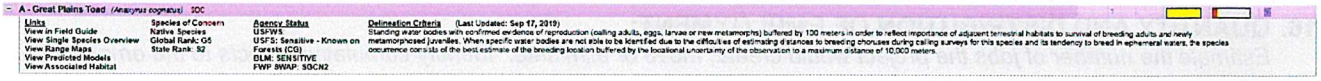
8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:
Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.

There will be a short term disturbance to habitat but it will be reclaimed quickly and should have vegetation back in several years.

No significant impacts to terrestrial, avian, or aquatic habitats are anticipated.

9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:
Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.

The Great Plains Toad is the only species of concern noted within a mile of the construction area. The toad mostly utilizes standing water for habitat. Since there is little to no standing water in the construction path the toad should not be affected. The predictive model shows a low likelihood of the construction area being good habitat.


- A - Great Plains Toad (*Anaxyrus cognatus*) SOC

Links	Species of Concern	Agency Status	Delineation Criteria (Last Updated: Sep 17, 2019)
View in Field Guide	Native Species	USFWS	Standing water bodies with confirmed evidence of reproduction (calling adults, eggs, larvae or new metamorphs) buffered by 100 meters in order to reflect importance of adjacent terrestrial habitats to survival of breeding adults and newly
View Single Species Overview	Global Rank: G5	USFS: Sensitive - Known on	metamorphosed juveniles. When specific water bodies are not able to be identified due to the difficulties of estimating distances to breeding choruses during calling surveys for this species and its tendency to breed in ephemeral waters, the species
View Range Maps	State Rank: S2	Forests (CG)	occurrence consists of the best estimate of the breeding location buffered by the locational uncertainty of the observation to a maximum distance of 10,000 meters.
View Predicted Models		BLM: SENSITIVE	
View Associated Habitat		FWP: SWAP: SGCN2	

No significant impacts to unique, endangered, fragile or limited environmental resources are anticipated, though temporary displacement of local wildlife may occur during the project.

10. HISTORICAL AND ARCHAEOLOGICAL SITES:
Identify and determine effects to historical, archaeological or paleontological resources.

Several stone circles have been noted by the lessee. Field staff will meet with the proponent and approve a route that avoids archaeological sites before construction.

No significant effects on historical, archaeological, or paleontological resources anticipated.

11. AESTHETICS:
Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.

No significant impacts on the aesthetics of the area are anticipated.

12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:
Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.

No limited environmental resources will be significantly impacted because of this project. This project will also not add any significant cumulative demands on environmental resources.

13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:
List other studies, plans or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.

There are no other projects or plans being considered on the tracts listed in this EA Checklist.

IV. IMPACTS ON THE HUMAN POPULATION

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" If no impacts are identified or the resource is not present.*

14. HUMAN HEALTH AND SAFETY:
Identify any health and safety risks posed by the project.

There is some danger involved in operating trenching equipment, but it will be only to the operators. The dangers of operating equipment and installing pipe are the responsibility of the proponent to mitigate.

15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:
Identify how the project would add to or alter these activities.

This project will not add to or deter from other industrial, agricultural, or commercial activities in the area.

16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:
Estimate the number of jobs the project would create, move or eliminate. Identify cumulative effects to the employment market.

The project will not create or eliminate any jobs, so no significant effects to the employment market are anticipated.

17. LOCAL AND STATE TAX BASE AND TAX REVENUES:
Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.

There are no direct or cumulative effects to taxes or revenue for the proposed project.

18. DEMAND FOR GOVERNMENT SERVICES:
Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services

There will not be any significant increases in traffic, school attendance, or need for fire and police protection if this project is approved.

19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:
List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.

There are no zoning or other agency management plans affecting this project.

20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:
Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.

There will be no significant direct or cumulative effects on access to or quality of recreation and wilderness activities because of this project.

21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:
Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing

The proposed project does not include any changes to housing or developments.

22. SOCIAL STRUCTURES AND MORES:
Identify potential disruption of native or traditional lifestyles or communities.

There are no native, unique or traditional lifestyles or communities in the vicinity that would be significantly impacted by the proposal.

23. CULTURAL UNIQUENESS AND DIVERSITY:
How would the action affect any unique quality of the area?

The proposed project will have no significant impact on any culturally unique quality of the area.

24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:
Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.

The proposed project will not have any significant cumulative economic or social effect.

V. FINDING

25. ALTERNATIVE SELECTED:

Alternative B (the Proposed Action) – Under this alternative, the Department does grant

26. SIGNIFICANCE OF POTENTIAL IMPACTS:

I have evaluated the potential environment effects and have determined no significant impact to the environment because of this project.

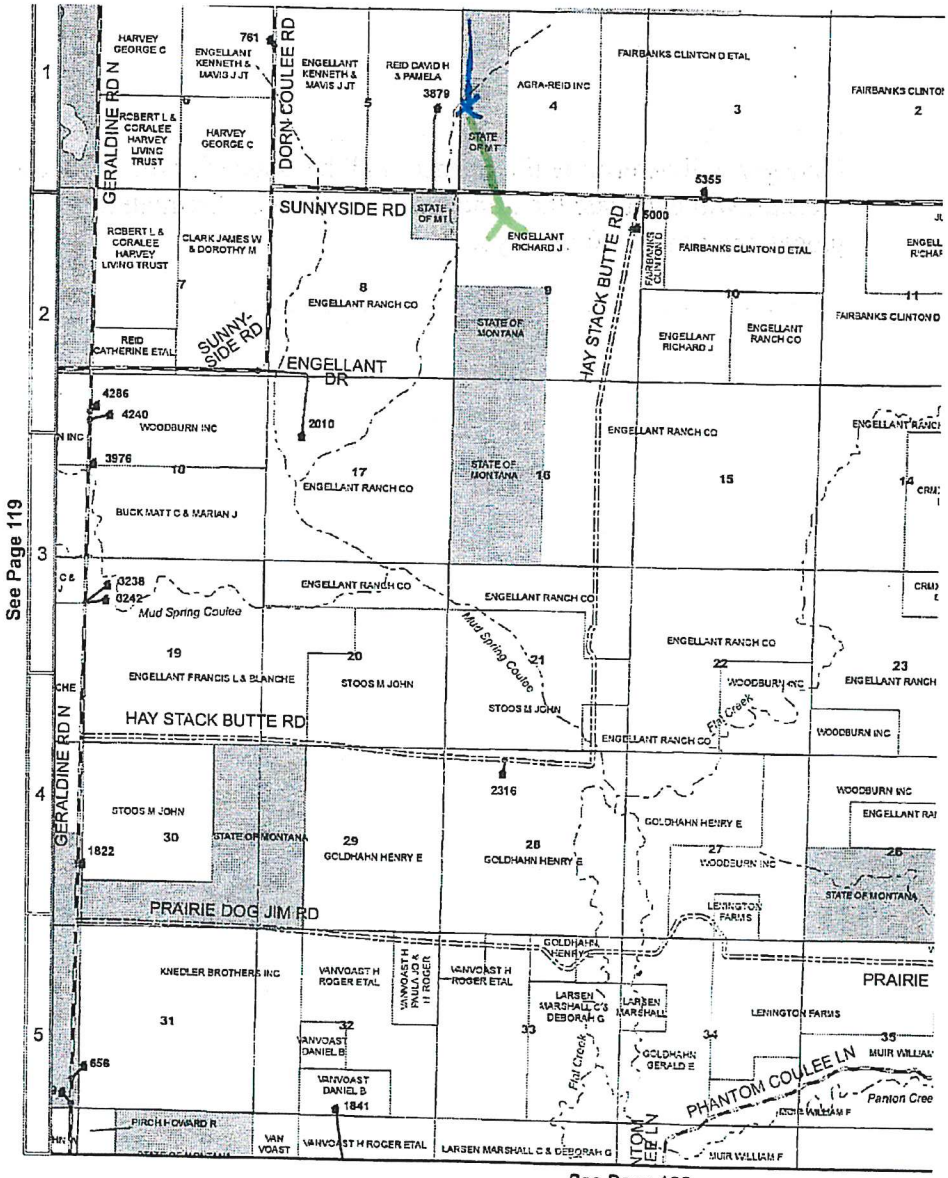
27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:

[ ]	EIS	[ ]	More Detailed EA	[X]	No Further Analysis

EA Checklist Prepared By:	Name: Dustin Lenz Title: Land Use Specialist
Signature:	Date: 12 January 2021

EA Checklist Approved By:	Name: Jocee Hedrick Title: Unit Manager, Northeastern Land Office
Signature: Jocee Hedrick	Date: 1/12/21

— Existing
— New



DORN COULEE RD	1-B
ENGELLANT DR	2-B
FLAT CREEK RD	2-E
GERALDINE RD N	1-A
HAY STACK BUTTE RD	2-C, 4-A
PHANTOM COULEE LN	5-D
PRAIRIE DOG JIM RD	5-A, 5-D
SUNNY-SIDE RD	2-A
SUNNYSIDE RD	1-E, 2-B

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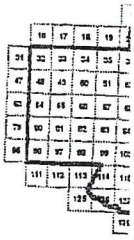

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